

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/010219 A1

(51) International Patent Classification⁷: C22B 3/00 // 19:00

(21) International Application Number: PCT/FI2004/000461

(22) International Filing Date: 22 July 2004 (22.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 20031118 31 July 2003 (31.07.2003) FI

(71) Applicant (for all designated States except US): OUT-OKUMPU OYJ [FI/FI]; Riihitontuntie 7 D, FI-02200 Espoo (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): JUDIN, Kai [FI/FI]; Viirretie 107, FI-68240 Alavirre (FI). OINONEN, Yrjö [FI/FI]; Pyynkuja 6, FI-67800 Kokkola (FI).

(74) Agent: PAPULA OY; P.O. Box 981 (Fredrikinkatu 61 A), FI-00101 Helsinki (FI).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

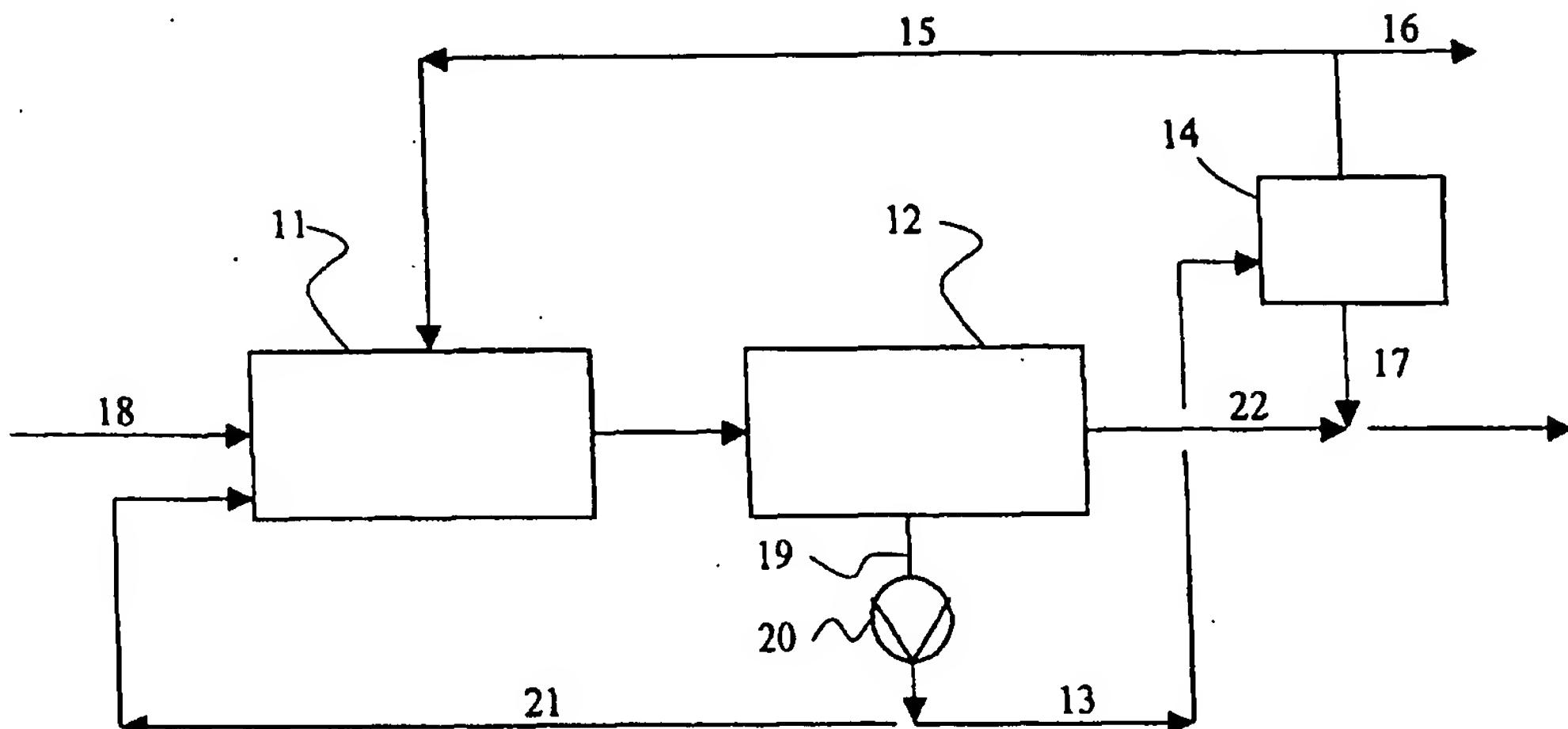
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR PROCESSING METALLINE SLUDGE



(57) Abstract: The invention relates to a method for processing a metal-bearing sludge in conjunction with a metal separation process. According to the invention, the sludge (13) produced in the metal separation is classified based on a predetermined property of the sludge into a better (15) and a worse (17) substance fraction, as the process is concerned, and the worse substance fraction (17) is removed from the process and the better substance fraction (15) is returned to the process.

WO 2005/010219 A1